| Facility Information Summary | |
|---|---|
| AER Reporting Year | 2012 |
| Licence Register Number | P0606-03 |
| Name of site | Great Island Generation Station |
| Site Location | Campile, New Ross, Co. Wexford. |
| NACE Code | 4010 |
| Class/Classes of Activity | Production and Supply of electricity |
| National Grid Reference (6E, 6 N) | E268907 N114574 |

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence** listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.

The plant is located on the Barrow/Suir estuary. It has three generating units, giving a total electricity generating capacity of 240 MW. All are conventional steam generating units, two of the conventional units have capacities of 60 MW, the third being 120 MW. Each unit is independent and consists of a boiler, steam turbine and auxiliary plant. The station is fired on heavy fuel oil shipped directly to site and stored in the station's own oil farm area.

During 2012 running hours for the station remained very low due to increased wind generation and lower energy demands. The running of the station is also dependant on its age, reliability and market conditions; hence the station no longer operates on a base load mode. A further trend of decrease for the station total running hours is predicted for the coming years.

From a global amount of 533 running hours in the station during 2012:

- Unit 1 had a total running hours of 88 hrs, which is the equivalent of 16.51% of the station's total running time for 2012 for Great Island.
- Unit 2 ran a total running hours of 38 hrs, which is the equivalent of 7.13% of the station's total running time.
- Unit 3 ran for a total of 407 hrs, which is the equivalent of 76.36% of the station's total running time.

**Declaration:**

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

| | |
|---|---|
| Gráinne Humphreys | 25/03/2013 |
| Signature | Date |
| Group/Facility manager (or nominated, suitably qualified and experienced deputy) | |

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|---|---|---|---|---|

**Answer all questions and complete all tables where relevant**

| | | | Additional information |
|---|---|---|---|
| 1 | Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables | Yes | |

## Periodic/Non-Continuous Monitoring

| | | | | |
|---|---|---|---|---|
| 2 | Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below | | SELECT | |
| 3 | Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? | Basic air monitoring checklist | SELECT | |

AGN2

### Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

| Emission reference no: | Parameter/ Substance | Frequency of Monitoring | ELV in licence or any revision therof | Licence Compliance criteria | Measured value | Unit of measurement | Compliant with licence limit | Method of analysis | Annual mass load (kg) | Comments -reason for change in % mass load from previous year if applicable |
|---|---|---|---|---|---|---|---|---|---|---|
| A1-3 | Dust | 05/12/2012 | 200 | 97 % of 48 hour averages < 110 % of ELV | 21.7<br>10.2<br>252.0<br>73.7<br>13.2 | mg/Nm3 | yes | BS EN 13284 | 5204 | A1-3 Crosschecks not possible to carry out in 2011 due to nature of run hours |
| A1-3 | Suphur oxides (SOx/SO2) | 05/12/2012 | 1700 | 97 % of 48 hour averages < 110 % of ELV | 1470.2<br>292.8<br>1527.8<br>1450.5<br>70.9 | mg/Nm3 | yes | BS EN 13284 | 83619 | A1-3 Crosschecks not possible to carry out in 2011 due to nature of run hours |
| A1-3 | Nitrogen Oxides (NOx/NO2) | 05/12/2012 | 900 | 95 % of all 48 hour averages < 110 % of ELV | 731.1<br>731.9<br>635.5<br>763.6<br>931.6 | mg/Nm3 | yes | BS EN 13284 | 37814 | A1-3 Crosschecks not possible to carry out in 2011 due to nature of run hours |

Note 1: Volumetric flow shall be included as a reportable parameter

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|---|---|---|---|---|

**Continuous Monitoring**

| | | | |
|---|---|---|---|
| 4 | Does your site carry out continuous air emissions monitoring? | SELECT | |
| | If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV) | | |
| 5 | Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below | SELECT | |
| 6 | Do you have a proactive service agreement for each piece of continuous monitoring equipment? | SELECT | |
| 7 | Did your site experience any abatement system bypasses? If yes please detail them in table 4 below | SELECT | |

**Table A2: Summary of average emissions -continuous monitoring**

| Emission reference no: | Parameter/ Substance | ELV in licence or any revision therof | Averaging Period | Compliance Criteria | Units of measurement | Annual Emission | Annual maximum | Monitoring Equipment downtime (hours) | Number of ELV exceedences in current reporting year | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| A1-1 | Dust | 250 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 313 | | | | U1 ran 23/1/12, no running Feb, March and April |
| A1-1 | Dust | 250 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 1234.18 | | | | U.1 ELV for dust exceeded on 16/5 & 17/5. Also ran 18/5 & 29/5 no exceedences. Unit did not run in June, July, August or September |
| A1-1 | Dust | 250 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 179.44 | | | | U1. Ran in October 2012 |
| A1-1 | Dust | 250 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 138.21 | | | | U1. Ran in December 2012 |
| A1-1 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 2284 | | | | U1 ran 23/1/12, no running Feb, March and April |
| A1-1 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 8069 | | | | U.1 ran 16/5, 17/5, 18/5 & 29/5/12. Unit did not run in June, July, August or September |
| A1-1 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 2261 | | | | U.1 ran in October 2012 |
| A1-1 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 768 | | | | U.1 ran in December 2012 |
| A1-1 | Nitrogen oxides (NOx/NO2) | 850 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 3785.6 | | | | U.1 ran in January & May 2012. No running in June, July, August or September |
| A1-1 | Nitrogen oxides (NOx/NO2) | 850 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 1243.3 | | | | U.1 ran in October 2012 |
| A1-1 | Nitrogen oxides (NOx/NO2) | 850 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 312.6 | | | | U.1 ran in December 2012 |
| A1-2 | Dust | 250 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 65.5 | | | | U.2 ran in January & May 2012. Unit did not run from June - October (inclusive) |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| A1-2 | Dust | 250 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 0 | | | | | U.2 ran 30/11/12, no particulates recorded software problem linked to dust probe |
| A1-2 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 5593 | | | | | Unit 2 ran in January & May 2012. Unit did not run from June - October (inclusive) |
| A1-2 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 968 | | | | | U.2 ran 30/11/12 |
| A1-2 | Nitrogen oxides (NOx/NO2) | 850 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 1788 | | | | | U.2 ran in January & May 2012. Unit did not run from June - October (inclusive) |
| A1-2 | Nitrogen oxides (NOx/NO2) | 850 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 573.3 | | | | | U.2 ran on 30/11/12 |
| A1-3 | Dust | 200 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 348.3 | | | | | U.3 ran 7/1, 9/1,12/1, 15/1 & 18/1/12. Unit. 3 did not run February, March or April 2012 |
| A1-3 | Dust | 200 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 1526.6 | | | | | U.3 ran 2/5/12, 28/5/12, 29/5/12, 30/5/12 & 31/5/12 |
| A1-3 | Dust | 200 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 78.9 | | | | | U.3 ran 1/6/12 & 24/6/12 |
| A1-3 | Dust | 200 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 935 | | | | | U.3 ran 23/7/12, 26/7/12, 27/7/12 & 30/7/12 |
| A1-3 | Dust | 200 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 581.4 | | | | | U.3 ran 2/8/12, 3/8/12, 7/8/12, 8/8/12, 10/8/12 & 13/8/12 |
| A1-3 | Dust | 200 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 659.7 | | | | | U.3 ran 7/9/12, 19/9/12, 24/9/12 & 26/09/12 |
| A1-3 | Dust | 200 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 565.4 | | | | | U.3 ran 9/10/12, 10/10/12, 11/10/12 & 12/10/12. Unit 3 did not run in November 2012 |
| A1-3 | Dust | 200 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 508.9 | | | | | U.3 ran 5/12/12, 10/12/12, 14/12/12 & 19/12/12 |
| A1-3 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 5283.5 | | | | | U.3 ran 7/1, 9/1,12/1, 15/1 & 18/1/12. Unit. 3 did not run February, March or April 2012 |
| A1-3 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 17562.1 | | | | | Unit 3 ran 2/5/12, 28/5/12, 29/5/12, 30/5/12 & 31/5/12 |
| A1-3 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 3140 | | | | | Unit 3 ran 1/6/12 & 24/6/12 |
| A1-3 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 17266.2 | | | | | Unit 3 ran 23/7/12, 26/7/12, 27/7/12 & 30/7/12 |

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|---|---|---|---|---|---|---|---|---|---|---|
| A1-3 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 11311.7 | | | | Unit 3 ran 2/8/12, 3/8/12, 7/8/12, 8/8/12, 10/8/12, & 13/8/12 |
| A1-3 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 13184.8 | | | | Unit 3 ran 7/9/12, 19/9/12, 24/9/12 & 26/9/12 |
| A1-3 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 8773.2 | | | | Unit 3 ran 9/10/12, 10/10/12, 11/10/12 & 12/10/12. Unit 3 did not run in November 2012 |
| A1-3 | Sulphur oxides (SOx/SO2) | 1700 | Monthly | 97 % of 48 hour averages < 110 % of ELV | mg/Nm3 | 7098.2 | | | | Unit 3 ran 5/12/12, 10/12/12, 14/12/12 & 19/12/12 |
| A1-3 | Nitrogen oxides (NOx/NO2) | 900 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 2356.9 | | | | Unit 3 ran 7/1/12, 9/1/12, 12/1/12, 15/1/12 & 18/1/12. Unit 3 did not run in February, March or April 2012. |
| A1-3 | Nitrogen oxides (NOx/NO2) | 900 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 7736.9 | | | | Unit 3 ran 2/5/12, 28/5/12, 29/5/12, 30/5/12 & 31/5/12 |
| A1-3 | Nitrogen oxides (NOx/NO2) | 900 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | | 1450.4 | | | | Unit 3 ran 01/6/12 & 24/6/12 |
| A1-3 | Nitrogen oxides (NOx/NO2) | 900 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 7968.6 | | | | Unit 3 ran 23/7/12, 26/7/12, 27/7/12 & 30/7/12 |
| A1-3 | Nitrogen oxides (NOx/NO2) | 900 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 4892.3 | | | | Unit 3 ran 2/8/12, 3/8/12, 7/8/12, 8/8/12, 10/8/12, & 13/8/12 |
| A1-3 | Nitrogen oxides (NOx/NO2) | 900 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 6235.6 | | | | Unit 3 ran 7/9/12, 19/9/12, 24/9/12 & 26/9/12 |
| A1-3 | Nitrogen oxides (NOx/NO2) | 900 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 4243.6 | | | | Unit 3 ran 9/10/12, 10/10/12, 11/10/12 & 12/10/12. Unit 3 did not run in November 2012 |
| A1-3 | Nitrogen oxides (NOx/NO2) | 900 | Monthly | 95 % of all 48 hour averages < 110 % of ELV | mg/Nm3 | 2929.7 | | | | Unit 3 ran 5/12/12, 10/12/12, 14/12/12 & 19/12/12 |

note 1: Volumetric flow shall be included as a reportable parameter.

**Table A3: Abatement system bypass reporting table** Bypass protocol

| Date* | Duration** (hours) | Location | Reason for bypass | Impact magnitude | Corrective action |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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|---|---|---|---|---|

* this should include all dates that an abatement system bypass occurred

** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

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|---|---|---|---|---|

## Solvent use and management on site

| | | |
|---|---|---|
| 8 | Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5 | SELECT |

**Table A4: Solvent Management Plan Summary**
**Total VOC Emission limit value**

Solvent regulations — Please refer to linked solvent regulations to complete table 5 and 6

| Reporting year | Total solvent input on site (kg) | Total VOC emissions to Air from entire site | Total VOC emissions as %of solvent | Total Emission Limit Value (ELV) in licence or any revision therof | Compliance |
|---|---|---|---|---|---|
| | | | | | SELECT |
| | | | | | SELECT |

**Table A5: Solvent Mass Balance summary**

| | (I) Inputs (kg) | (O) Outputs (kg) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Solvent | (I) Inputs (kg) | Organic solvent emission in | Solvents lost in water (kg) | Collected waste solvent (kg) | Fugitive Organic Solvent (kg) | Solvent released in other ways e.g. | Solvents destroyed onsite through | Total emission of Solvent to air (kg) |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | Total | |

**AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)** Lic No: P0606-03 Year 2012

| | | | Additional information |
|---|---|---|---|
| 1 | Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table W1 and or W2 for surface water analysis and visual inspections | Yes | |
| 2 | Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections | Yes | |

**Table W1 Surface water monitoring**

| Location reference | Location relative to site activities | PRTR Parameter | Licenced Parameter | Monitoring date | ELV or trigger level in licence or any revision thereof* | Licence Compliance criteria | Measured value | Unit of measurement | Compliant with licence | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | SELECT | SELECT | SELECT | | | SELECT | | SELECT | SELECT | |

*trigger values may be agreed by the Agency outside of licence conditions

**Table W2 Visual inspections-Please only enter details where contamination was observed.**

| Location Reference | Date of inspection | Description of contamination | Source of contamination | Corrective action | Comments |
|---|---|---|---|---|---|
| SW7 | 12/01/2012 | Drain not clear skin of oil observed | site | Interceptor skimmed | |
| SW12 | 12/01/2012 | Drain not clear skin of oil observed | site | Interceptor skimmed | |
| SW7 | 30/01/2012 | Drain not clear skin of oil observed | site | Interceptor skimmed | |
| SW12 | 22/03/2012 | Drain not clear skin of oil observed | site | Interceptor skimmed | |
| SW5 | 20/06/2012 | Drain not clear skin of oil observed | site | Interceptor skimmed | |
| SW5 | 11/07/2012 | Drain not clear skin of oil observed | site | Interceptor skimmed | |
| SW6 | 29/09/2012 | Drain not clear skin of oil observed | site | Interceptor skimmed | |
| SW5 | 08/10/2012 | Drain not clear skin of oil observed | site | Interceptor skimmed | |
| | | | SELECT | | |

**Licensed Emissions to water and /or wastewater(sewer)-periodic monitoring (non-continuous)**

| | | | | Additional information |
|---|---|---|---|---|
| 3 | Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below | | SELECT | |
| 4 | Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box | External /Internal Lab Quality checklist / Assessment of results checklist | SELECT | |

**Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)**

| Emission reference no: | Emission released to | Parameter/ SubstanceNote 1 | Type of sample | Frequency of monitoring | Averaging period | ELV or trigger values in licence or any revision thereof[Note 2] | Licence Compliance criteria | Measured value | Unit of measurement | Compliant with licence | Method of analysis | Procedural reference source | Procedural reference standard number | Annual mass load (kg) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW1 | Water | COD | discrete | 02/04/2012, 30/06/12, 30/09/12, 31/12/12 | Quarterly | 100 | All results < 1.2 x ELV | <4, <4, 7, 82 | mg/L | yes | Digestion + Spectrophotometry | Other (please specify) | TP006 | | Four samples were attained this year. |
| SW3 | Water | Suspended Solids | discrete | 02/04/2012 | Quarterly | 35 | All results < 1.2 x ELV | 141 | mg/L | no (if no please enter details in comments box) | Gravimetric analysis | Other (please specify) | SMEWW2540D | | Only one sample attained this year as septic tank decommissioned in May 2012 during CCGT works |

| AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) | | | | | | Lic No: | P0606-03 | | | Year | 2012 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW3 | Water | BOD | discrete | 02/04/2012 | Quarterly | 25 | All results < 1.2 x ELV | 4 | mg/L | yes | Dissolved Oxygen Meter (Electrode) | Other (please specify) | SMEWW52018 | | Only one sample attained this year as septic tank decommissioned in May 2012 during CCGT works |
| SW3 | Water | Ammonia (as N) | discrete | 02/04/2012 | Quarterly | 5 | All results < 1.2 x ELV | 8.4 | mg/L | no (if no please enter details in comments box) | Spectrophotometry (Colorimetry) | Other (please specify) | SMEWW4500F | | Only one sample attained this year as septic tank decommissioned in May 2012 during CCGT works |
| SW3 | Water | Total phosphorus | discrete | 02/04/2012 | Quarterly | 2 | All results < 1.2 x ELV | 6.3 | mg/L | no (if no please enter details in comments box) | Spectrophotometry (Colorimetry) | Other (please specify) | SMEWW4500-PB | | Only one sample attained this year as septic tank decommissioned in May 2012 during CCGT works |
| SW3 | Water | COD | discrete | 02/04/2012 | Quarterly | 100 | All results < 1.2 x ELV | 21 | mg/L | yes | Digestion + Spectrophotometry | Other (please specify) | TP006 | | Only one sample attained as septic tank decommissioned |
| SW4 | Water | COD | discrete | 2012 | Quarterly | 100 | All results < 1.2 x ELV | No samples available on any date | mg/L | yes | Digestion + Spectrophotometry | Other (please specify) | TP006 | | No samples retrievable from this point in 2012 |
| SW5 | Water | pH | discrete | 2012 | Weekly | 6 to 10 | No pH value shall deviate from the specified range | Average 7.1 | pH units | yes | pH Meter (Electrode) | | | | |
| SW5 | Water | Temperature | discrete | 2012 | Weekly | None | No temperature value shall exceed the limit value | Average 18.87 | degrees C | yes | INSTRUMENTAL METHODS | | | | |
| SW5 | Water | Suspended Solids | discrete | 02/04/12, 30/06/12, 30/09/12, 31/12/12 | Quarterly | None | All results < 1.2 x ELV | 1, 33, 34, 8.2 | mg/L | yes | Gravimetric analysis | Other (please specify) | SMEWW2540D | | |
| SW6 | Water | pH | discrete | 2012 | Weekly | 6 to 10 | No pH value shall deviate from the specified range | Average 7.54 | pH units | yes | pH Meter (Electrode) | | | | |
| SW6 | Water | Temperature | discrete | 2012 | Weekly | None | No temperature value shall exceed the limit value | Average 13.7 | degrees C | yes | INSTRUMENTAL METHODS | | | | |
| SW6 | Water | Suspended Solids | discrete | 02/04/12, 30/06/12, 30/09/12, 31/12/12 | Quarterly | None | All results < 1.2 x ELV | 45, 3, 50, 26.2 | mg/L | yes | Gravimetric analysis | Other (please specify) | SMEWW2540D | | |
| SW6 | Water | Mineral oils | discrete | 02/04/12, 30/06/12, 30/09/12, 31/12/12 | Quarterly | 20 | All results < 1.2 x ELV | 0.12, 0.029, 0.057, 0.053 | mg/L | yes | Gravimetric analysis | Other (please specify) | SMEWW55208 | | |
| SW7 | Water | Mineral oils | discrete | 2012 | Quarterly | 20 | All results < 1.2 x ELV | No samples available on any date | mg/L | yes | Gravimetric analysis | Other (please specify) | SMEWW55208 | | No samples retrievable from this point in 2012 |
| SW7 | Water | COD | discrete | 2012 | Quarterly | 100 | All results < 1.2 x ELV | No samples available on any date | mg/L | yes | Digestion + Spectrophotometry | Other (please specify) | TP006 | | No samples retrievable from this point in 2012 |

| AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) | | | | Lic No: | P0606-03 | | | | Year | 2012 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW8 | Water | Chlorine | discrete | 2012 | Quarterly | 0.5 | All results < 1.2 x ELV | No samples available on any date | mg/L | yes | Spectrophotometry (Colorimetry) | Other (please specify) | DPD | | No sample attainable due to low running regime |
| SW10 | Water | COD | discrete | 02/04/12, 30/06/12, 30/09/12, 31/12/12 | Quarterly | 100 | All results < 1.2 times ELV, plus 8 from ten results must be < ELV | <4, 8, 10, 7, | mg/L | yes | Digestion + Spectrophotometry | Other (please specify) | TP006 | | |
| SW11 | Water | COD | discrete | 2012 | Quarterly | 100 | All results < 1.2 x ELV | No samples available on any date | mg/L | yes | Digestion + Spectrophotometry | Other (please specify) | | | |
| SW12 | Water | COD | discrete | 02/04/12, 30/06/12, | Quarterly | 100 | All results < 1.2 x ELV | <4, 11, | mg/L | yes | Digestion + Spectrophotometry | Other (please specify) | | | Samples only obtainable in April & June 2012 |
| SW13 | Water | Ammonia (as N) | discrete | 30/06/12, 30/09/12 | Quarterly | 5 | All results < 1.2 x ELV | 0.33, 0.26 | mg/L | yes | Spectrophotometry (Colorimetry) | Other (please specify) | SMEWW45OOF | | Samples only obtainable in June and September 2012 |
| SW13 | Water | Suspended Solids | discrete | 30/06/12, 30/09/12, 31/12/12 | Quarterly | 100 | All results < 1.2 x ELV | 18.3, 74, 15.8 | mg/L | yes | Gravimetric analysis | Other (please specify) | SMEWW2540D | | Samples only obtainable in June, September and December 2012 |
| SW13 | Water | volumetric flow | discrete | January to December 2012 | Annual | 54,750 | No flow value shall exceed specific limit | 9607 | m3/day | yes | INSTRUMENTAL METHODS | | | | |
| | | | | | | | | | | | | | | | |

Note 1: Volumetric flow shall be included as a reportable parameter

Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards

| AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) | Lic No: | P0606-03 | Year | 2012 |
|---|---|---|---|---|

## Continuous monitoring

| | | | Additional Information |
|---|---|---|---|
| 5 | Does your site carry out continuous emissions to water/sewer monitoring? | Yes | |

**If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)**

| | | | |
|---|---|---|---|
| 6 | Did continuous monitoring equipment experience downtime? **If yes please record downtime in table W4 below** | Yes | See below |
| 7 | Do you have a proactive service contract for each piece of continuous monitoring equipment on site? | No | Maintained by station staff |
| 8 | Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below** | No | |

## Table W4: Summary of average emissions -continuous monitoring

| Emission reference no: | Emission released to | Parameter/ Substance | ELV or trigger values in licence or any revision thereof | Averaging Period | Compliance Criteria | Units of measurement | Annual Emission for current reporting year (kg) | % change +/- from previous reporting year | Monitoring Equipment downtime (hours) | Number of ELV exceedences in reporting year | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SW13 | Water | pH | 6 to 9 | each run | No pH value shall deviate from the .specified range | pH units | 7.9 | -1.25 | 0 | 0 | There were no pH excursions outside ELV set between 6 and 9 for the monthly pH values for 2012 |
| SW2 | Water | Temperature | Delta 12$^{0}$C | 24 hour | No temperature value shall exceed the limit .value | degrees C | Average Delta 1.6 | 14.3 | 40 Days | 0 | Lightning strike on 29/08/12, damaged unit & this unit had to be replaced |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

note 1: Volumetric flow shall be included as a reportable parameter.

## Table W5: Abatement system bypass reporting table

| Date | Duration (hours) | Location | Resultant emissions | Reason for bypass | Corrective action* | Was a report submitted to the EPA? | When was this report submitted? |
|---|---|---|---|---|---|---|---|
| | | | | | | SELECT | |
| | | | | | | | |
| | | | | | | | |

*Measures taken or proposed to reduce or limit bypass frequency

| Bund/Pipeline testing template | Lic No: | P0606-03 | Year | 2012 | |
|---|---|---|---|---|---|

Bund testing

dropdown menu click to see options

| | | | Additional information |
|---|---|---|---|
| 1 | Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, **in addition to all bunds which failed** the integrity test-**all bunding structures which failed including mobile bunds must be listed in the table below** | Yes | |
| 2 | Please provide integrity testing frequency period | 3 years | |
| 3 | Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds) | Yes | |
| 4 | How many bunds are on site? | 18 | |
| 5 | How many of these bunds have been tested witin the required test schedule? | 18 | |
| 6 | How many mobile bunds are on site? | 2 | |
| 7 | Are the mobile bunds included in the bund test schedule? | Yes | |
| 8 | How many of these mobile bunds have been tested witin the required test schedule? | 2 | |
| 9 | How many sumps on site are included in the integrity test schedule? | N/A | |
| 10 | How many of these sumps are integrity tested within the test schedule? | N/A | |
| | **Please list any sump integrity failures in table B1** | | |
| 11 | Do all sumps and chambers have high level liquid alarms? | No | |
| 12 | If yes to Q11 are these failsafe systems included in a maintenance and testing programme? | N/A | |

**Table B1:** Summary details of bund /containment structure integrity test

| Bund/Containment structure ID | Type | Specify Other type | Product containment | Actual capacity | Capacity required* | Type of integrity test | Other test type | Test date | Integrity reports maintained on site? | Results of test | Integrity test failure explanation <50 words | Corrective action taken | Scheduled date for retest | Results of retest(if in current reporting year) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulphuric ref 1830 | reinforced concrete | | Sulphuric acid | 110 | 110 | Hydraulic test | | 06/02/2013 | Yes | Pass | N/A | N/A | N/A | N/A |
| Caustic soda ref 1824 | reinforced concrete | | Caustic soda | 110 | 110 | Hydraulic test | | 06/02/2013 | Yes | Pass | N/A | N/A | N/A | N/A |
| Ammonia A ref 2672 | general purpose concrete/masonry | | Decommissioned | 110 | 110 | Hydraulic test | | 06/02/2013 | Yes | Pass | N/A | N/A | N/A | N/A |
| Ammonia B ref 2672 | reinforced concrete | | Ammonia | 110 | 110 | Hydraulic test | | 07/02/2013 | Yes | Pass | N/A | N/A | N/A | N/A |
| Hydrazine A ref 3293 | general purpose concrete/masonry | | Hydrazine | 110 | 110 | Hydraulic test | | 07/02/2013 | Yes | Pass | N/A | N/A | N/A | N/A |
| Hydrazine B ref 3293 | general purpose concrete/masonry | | Hydrazine | 110 | 110 | Hydraulic test | | 07/02/2013 | Yes | Pass | N/A | N/A | N/A | N/A |
| UT3 ref 3293 | general purpose concrete/masonry | | oil | 110 | 110 | Hydraulic test | | 07/02/2013 | Yes | Pass | N/A | N/A | N/A | N/A |

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

| | | | Commentary |
|---|---|---|---|
| 14 | Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? | bunding and storage guidelines | SELECT |
| 15 | Are channels/transfer systems to remote containment systems tested? | | SELECT |
| 16 | Are channels/transfer systems compliant in both integrity and available volume? | | SELECT |

Pipeline/underground structure testing

| | | | |
|---|---|---|---|
| 1 | Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test** | SELECT | |
| 2 | Please provide integrity testing frequency period | SELECT | |

**Table B2:** Summary details of pipeline/underground structures integrity test

| Structure ID | Type system | Material of construction: | Does this structure have Secondary containment? | Type of secondary containment | Type integrity testing | Integrity reports maintained on site? | Results of test | Integrity test failure explanation <50 words | Corrective action taken | Scheduled date for retest | Results of retest(if in current reporting year) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | | | | SELECT |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Please use commentary for additional details not answered by tables/ questions above

| Groundwater/Soil monitoring template | Lic No: | P0606-03 | Year | 2012 |
|---|---|---|---|---|

| | | | Comments |
|---|---|---|---|
| 1 | Are you required to carry out groundwater monitoring as part of your licence requirements? | yes | |
| 2 | Are you required to carry out soil monitoring as part of your licence requirements? | no | |
| 3 | Do you extract groundwater for use on site? If yes please specify use in comment section | no | |
| 4 | Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12 | no | |
| 5 | Is the contamination related to operations at the facility (either current and/or historic) | yes | |
| 6 | Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site | yes | |
| 7 | Please specify the proposed time frame for the remediation strategy | SELECT | Q2 2014 |
| 8 | Is there a licence condition to carry out/update ELRA for the site? | yes | |
| 9 | Has any type of risk assesment been carried out for the site? | yes | |
| 10 | Has a Conceptual Site Model been developed for the site? | no | |
| 11 | Have potential receptors been identified on and off site? | yes | |
| 12 | Is there evidence that contamination is migrating offsite? | no | |

**Table 1: Upgradient Groundwater monitoring results**

| Date of sampling | Sample location reference | Parameter/ Substance | Methodology | Monitoring frequency | Maximum Concentration++ | Average Concentration+ | unit | GTV's* | SELECT** | % change in average concentration previous year +/- | Upward trend in pollutant concentration over last 5 years of monitoring data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | SELECT | | | | SELECT |
| | | | | | | | SELECT | | | | SELECT |

.+ where average indicates arithmetic mean

.++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

**Table 2: Downgradient Groundwater monitoring results**

| Date of sampling | Sample location reference | Parameter/ Substance | Methodology | Monitoring frequency | Maximum Concentration | Average Concentration | unit | GTV's* | SELECT** | % change in average concentration previous year +/- | Upward trend in yearly average pollutant concentration over last 5 years of monitoring data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 03/04/2012 | BH2 | Aluminium | GFAAS | Annual | 351 | 183 | ug/l | 150 | | | data not available |
| 03/04/2012 | BH2 | Arsenic | ICP-OES | Annual | <1 | <1 | ug/l | 7.5 | | | data not available |
| 03/04/2012 | BH2 | Mineral Oils | GC-MS | Annual | <0.10 | <0.01 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | BH2 | PAH | GC-MS | Annual | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | BH2 | TPH | GC-FID | Annual | 0.09 | 0.074 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | BH2 | pH | Hydrogen Ion selective electrode | Annual | 7.8 | 7.7 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | BH2 | Vanadium | ICP-OES | Annual | 170 | 85 | ug/l | NV | | | data not available |
| 03/04/2012 | BH2 | Ammonia | Colourimetric | Annual | 0.1 | >0.10 | mg/l | 0.15 | IGV | | data not available |
| 03/04/2012 | BH2 | Coliforms | Membrane filtration | Annual | >100 | >100 | CFU/100ml | 0 | | | data not available |

| Groundwater/Soil monitoring template | | | | | Lic No: | P0606-03 | | Year | 2012 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 03/04/2012 | BH3 | Aluminium | GFAAS | Annual | <10 | <10 | ug/l | 150 | | | data not available |
| 03/04/2012 | BH3 | Arsenic | ICP-OES | Annual | <1 | <1 | ug/l | 7.5 | | | data not available |
| 03/04/2012 | BH3 | Mineral Oils | GC-MS | Annual | 0.014 | 0.014 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | BH3 | PAH | GC-MS | Annual | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | BH3 | TPH | GC-FID | Annual | 0.048 | 0.048 | mg/l | | | | data not available |
| 03/04/2012 | BH3 | pH | Hydrogen Ion selective electrode | Annual | 7.6 | 7.6 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | BH3 | Vanadium | ICP-OES | Annual | <10 | <10 | ug/l | NV | | | data not available |
| 03/04/2012 | BH3 | Ammonia | Colourimetric | Annual | <0.10 | <0.10 | mg/l | 0.15 | IGV | | data not available |
| 03/04/2012 | BH3 | Coliforms | Membrane filtration | Annual | >100 | >100 | CFU/100ml | | | | data not available |
| 03/04/2012 | MW101 | Aluminium | GFAAS | Annual | 25 | 25 | ug/l | 150 | | | data not available |
| 03/04/2012 | MW101 | Arsenic | ICP-OES | Annual | 6.7 | 6.7 | ug/l | 7.5 | | | data not available |
| 03/04/2012 | MW101 | Mineral Oils | GC-MS | Annual | 0.025 | 0.025 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | MW101 | PAH | GC-MS | Annual | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | MW101 | TPH | GC-FID | Annual | 0.064 | 0.064 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | MW101 | pH | Hydrogen Ion selective electrode | Annual | 8.2 | 8.2 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | MW101 | Vanadium | ICP-OES | Annual | <10 | <10 | ug/l | NV | | | data not available |
| 03/04/2012 | MW101 | Coliforms | Membrane filtration | Annual | 30 | 30 | CFU/100ml | | | | data not available |
| 03/04/2012 | MW102 | Aluminium | GFAAS | Annual | 25 | 25 | ug/l | 150 | | | data not available |
| 03/04/2012 | MW102 | Arsenic | ICP-OES | Annual | 7.2 | 7.2 | ug/l | 7.5 | | | data not available |
| 03/04/2012 | MW102 | Mineral Oils | GC-MS | Annual | 0.017 | 0.017 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | MW102 | PAH | GC-MS | Annual | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | MW102 | TPH | GC-FID | Annual | 0.038 | 0.038 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | MW102 | pH | Hydrogen Ion selective electrode | Annual | 8.1 | 8.1 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | MW102 | Vanadium | ICP-OES | Annual | <10 | <10 | ug/l | NV | | | data not available |
| 03/04/2012 | MW102 | Coliforms | Membrane filtration | Annual | 78 | 78 | CFU/100ml | | | | data not available |
| 03/04/2012 | MW103 | Aluminium | GFAAS | Annual | 53 | 53 | ug/l | 150 | | | data not available |
| 03/04/2012 | MW103 | Arsenic | ICP-OES | Annual | 20 | 20 | ug/l | 7.5 | | | data not available |
| 03/04/2012 | MW103 | Mineral Oils | GC-MS | Annual | 0.033 | 0.033 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | MW103 | PAH | GC-MS | Annual | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | MW103 | TPH | GC-FID | Annual | 0.085 | 0.085 | mg/l | | | | |
| 03/04/2012 | MW103 | pH | Hydrogen Ion selective electrode | Annual | 8.2 | 8.2 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | MW103 | Vanadium | ICP-OES | Annual | 22 | 22 | ug/l | NV | | | data not available |
| 03/04/2012 | MW103 | Coliforms | Membrane filtration | Annual | >100 | >100 | CFU/100ml | | | | data not available |
| 03/04/2012 | MW107 | Aluminium | GFAAS | Annual | <10 | <10 | ug/l | 150 | | | data not available |
| 03/04/2012 | MW107 | Arsenic | ICP-OES | Annual | <1 | <1 | ug/l | 7.5 | | | data not available |
| 03/04/2012 | MW107 | Mineral Oils | GC-MS | Annual | 0.011 | 0.011 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | MW107 | PAH | GC-MS | Annual | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | MW107 | TPH | GC-FID | Annual | 0.04 | 0.04 | mg/l | | | | data not available |

| Groundwater/Soil monitoring template | | | | | Lic No: | P0606-03 | | Year | 2012 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 03/04/2012 | MW107 | pH | Hydrogen Ion selective electrode | Annual | 6.9 | 6.9 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | MW107 | Vanadium | ICP-OES | Annual | <10 | <10 | ug/l | NV | | | data not available |
| 03/04/2012 | MW107 | Coliforms | Membrane filtration | Annual | 5 | 5 | CFU/100ml | | | | data not available |
| 03/04/2012 | MW200 | Aluminium | GFAAS | Annual | 18 | 18 | ug/l | 150 | | | data not available |
| 03/04/2012 | MW200 | Arsenic | ICP-OES | Annual | <1.0 | <1.0 | ug/l | 7.5 | | | data not available |
| 03/04/2012 | MW200 | Mineral Oils | GC-MS | Annual | 0.046 | 0.046 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | MW200 | PAH | GC-MS | Annual | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | MW200 | TPH | GC-FID | Annual | 0.12 | 0.12 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | MW200 | pH | Hydrogen Ion selective electrode | Annual | 7.3 | 7.3 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | MW200 | Vanadium | ICP-OES | Annual | <10 | <10 | ug/l | NV | | | data not available |
| 03/04/2012 | MW200 | Ammonia | Colourimetric | Annual | <0.1 | <0.1 | mg/l | 0.15 | IGV | | data not available |
| 03/04/2012 | MW200 | Coliforms | Membrane filtration | Annual | >100 | >100 | CFU/100ml | | | | data not available |
| 03/04/2012 | MW202 | Aluminium | GFAAS | Annual | 40 | 40 | ug/l | 150 | | | data not available |
| 03/04/2012 | MW202 | Arsenic | ICP-OES | Annual | 4.2 | 4.2 | ug/l | 7.5 | | | data not available |
| 03/04/2012 | MW202 | Mineral Oils | GC-MS | Annual | 0.064 | 0.064 | mg/l | 0.01 | IGV | | data not available |
| 03/04/2012 | MW202 | PAH | GC-MS | Annual | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | MW202 | TPH | GC-FID | Annual | 0.15 | 0.15 | mg/l | | | | data not available |
| 03/04/2012 | MW202 | pH | Hydrogen Ion selective electrode | Annual | 8.1 | 8.1 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | MW202 | Vanadium | ICP-OES | Annual | <10 | <10 | ug/l | NV | | | data not available |
| 03/04/2012 | MW202 | Ammonia | Colourimetric | Annual | 7.2 | 7.2 | mg/l | 0.15 | IGV | | data not available |
| 03/04/2012 | MW202 | Coliforms | Membrane filtration | Annual | >100 | >100 | CFU/100ml | | | | data not available |
| 03/04/2012 | BH5 | pH | Hydrogen Ion selective electrode | Biennially | 7.4 | 7.1 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | BH5 | Vanadium | ICP-OES | Biennially | 191 | 190 | ug/l | NV | | | data not available |
| 03/04/2012 | BH5 | Lead | GFAAS | Biennially | <2 | <2 | ug/l | 18.75 | | | data not available |
| 03/04/2012 | BH5 | Chromium | GFAAS | Biennially | <1 | <1 | ug/l | 37.5 | | | data not available |
| 03/04/2012 | BH5 | TPH | GC-FID | Biennially | 0.15 | 0.11 | mg/l | | | | data not available |
| 03/04/2012 | BH5 | PAH | GC-MS | Biennially | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | BH5 | Ammonia | Colourimetric | Biennially | 1.1 | 0.63 | mg/l | 0.15 | IGV | | data not available |
| 03/04/2012 | BH7 | pH | Hydrogen Ion selective electrode | Biennially | 7.1 | 7 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | BH7 | Vanadium | ICP-OES | Biennially | <10 | <10 | ug/l | NV | | | data not available |
| 03/04/2012 | BH7 | Lead | GFAAS | Biennially | 3 | 2 | ug/l | 18.75 | | | data not available |
| 03/04/2012 | BH7 | Chromium | GFAAS | Biennially | <1 | <1 | ug/l | 37.5 | | | data not available |
| 03/04/2012 | BH7 | TPH | GC-FID | Biennially | 0.079 | 0.055 | mg/l | | | | data not available |
| 03/04/2012 | BH7 | PAH | GC-MS | Biennially | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | BH7 | Ammonia | Colourimetric | Biennially | <0.1 | <0.1 | mg/l | 0.15 | IGV | | data not available |
| 03/04/2012 | MW106 | pH | Hydrogen Ion selective electrode | Biennially | 7.8 | 7.5 | Ph units | 6.5 to 9.5 | IGV | | data not available |

| Groundwater/Soil monitoring template | | | | | Lic No: | P0606-03 | | Year | 2012 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 03/04/2012 | MW106 | Vanadium | ICP-OES | Biennially | <10 | <10 | ug/l | NV | | | data not available |
| 03/04/2012 | MW106 | Lead | GFAAS | Biennially | <2 | <2 | ug/l | 18.75 | | | data not available |
| 03/04/2012 | MW106 | Chromium | GFAAS | Biennially | <1 | <1 | ug/l | 37.5 | | | data not available |
| 03/04/2012 | MW106 | TPH | GC-FID | Biennially | 0.096 | 0.078 | mg/l | | | | data not available |
| 03/04/2012 | MW106 | PAH | GC-MS | Biennially | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | MW106 | Ammonia | Colourimetric | Biennially | 0.68 | 0.65 | mg/l | 0.15 | IGV | | data not available |
| 03/04/2012 | BH10 | pH | Hydrogen Ion selective electrode | Biennially | 7.8 | 7.6 | Ph units | 6.5 to 9.5 | IGV | | data not available |
| 03/04/2012 | BH10 | Vanadium | ICP-OES | Biennially | <10 | <10 | ug/l | NV | | | data not available |
| 03/04/2012 | BH10 | Lead | GFAAS | Biennially | <2 | <2 | ug/l | 18.75 | | | data not available |
| 03/04/2012 | BH10 | Chromium | GFAAS | Biennially | <1 | <1 | ug/l | 37.5 | | | data not available |
| 03/04/2012 | BH10 | TPH | GC-FID | Biennially | 0.14 | 0.125 | mg/l | | | | data not available |
| 03/04/2012 | BH10 | PAH | GC-MS | Biennially | <0.20 | <0.20 | ug/l | <0.20 | SW EQS | | data not available |
| 03/04/2012 | BH10 | Ammonia | Colourimetric | Biennially | 7 | 6 | mg/l | 0.15 | IGV | | data not available |
| | | | | | | | | | | | |
| | | | | | | | SELECT | | | | SELECT |

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

Surface water EQS | Groundwater regulations GTV's | Drinking water (private supply) standards | Drinking water (public supply) standards

**Groundwater/Soil monitoring template** Lic No: P0606-03 Year 2012

**Table 3: Soil results**

| Date of sampling | Sample location reference | Parameter/ Substance | Methodology | Monitoring frequency | Maximum Concentration | Average Concentration | unit |
|---|---|---|---|---|---|---|---|
| | | | | | | | SELECT |
| | | | | | | | SELECT |

Where additional detail is required please enter it here in 200 words or less

| Environmental Liabilities template | Lic No: | P0606-03 | Year | 2012 |
|---|---|---|---|---|

Click here to access EPA guidance on Environmental Liabilities and Financial provision

| | | | Commentary |
|---|---|---|---|
| 1 | ELRA initial agreement status | Submitted and agreed by EPA | |
| 2 | ELRA review status | Review required and completed | |
| 3 | Amount of Financial Provision cover required as determined by the latest ELRA | €28,091.25 | |
| 4 | Financial Provision for ELRA status | Submitted and agreed by EPA | |
| 5 | Financial Provision for ELRA - amount of cover | €28,091.25 | |
| 6 | Financial Provision for ELRA - type | cash in bank | |
| 7 | Financial provision for ELRA expiry date | Enter expiry date | |
| 8 | Closure plan initial agreement status | Closure plan submitted and agreed by EPA | |
| 9 | Closure plan review status | Review required and completed | |
| 10 | Financial Provision for Closure status | Submitted and agreed by EPA | |
| 11 | Financial Provision for Closure - amount of cover | €2,930,000 | |
| 12 | Financial Provision for Closure - type | cash in bank | |
| 13 | Financial provision for Closure expiry date | Enter expiry date | |

## Environmental Management Programme/Continuous Improvement Programme template

Lic No: P0606-03 Year 2012

Highlighted cells contain dropdown menu click to view

| | | | Additional Information |
|---|---|---|---|
| 1 | Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information | Yes | ISO 14001 Accredited |
| 2 | Does the EMS reference the most significant environmental aspects and associated impacts on-site | Yes | |
| 3 | Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements | Yes | |
| 4 | Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence | Yes | |

**Environmental Management Programme (EMP) report**

| Objective Category | Target | Status (% completed) | How target was progressed | Responsibility | Intermediate outcomes |
|---|---|---|---|---|---|
| Groundwater protection | Landfill QRA Assessment | 100 | Assessment complete | Section Head | Remediation of contamination on site |
| Additional improvements | Remove any identified dead legs - Water Supply System | 100 | Dead leg removed | Section Head | Improved Environmental Management Practices |
| SELECT | | SELECT | | SELECT | SELECT |

# Noise monitoring summary report

Lic No: P0606-03 Year 2012

| | | |
|---|---|---|
| 1 | Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below | Yes |
| 2 | Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? (Noise Guidance note NG4) | Yes |
| 3 | Does your site have a noise reduction plan | No |
| 4 | When was the noise reduction plan last updated? | N/A |
| 5 | Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey? | No |

**Table N1: Noise monitoring summary**

| Date of monitoring | Time period | Noise location (on site) | Noise sensitive location -NSL (if applicable) | $LA_{eq}$ | $LA_{90}$ | $LA_{10}$ | $LA_{max}$ | Tonal or Impulsive noise* (Y/N) | If tonal /impulsive noise was identified was 5dB penalty applied? | Comments (ex. main noise sources on site, & extraneous noise ex. road traffic) | Is site compliant with noise limits (day/evening/night)? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 28/05/2012 | 12:26 | 300m from main gate | NSL1 | 47 | 43 | 48 | 76 | No | N/A | Interference from birds chirping, and squeaking of tracks on excavator of machinery at entrance | Yes |
| 28/05/2012 | 14:42 | Coast road | NSL2 | 50 | 40 | 53 | 70 | No | N/A | Interference from ride-on lawnmower. Dogs barking, birds chirping, water lapping on shoreline, and a tree shaw. | Yes |
| 28/05/2012 | 15:24 | Cheek Point | NSL3 | 43 | 38 | 44 | 63 | No | N/A | Interference from dogs barking, birds chirping, water lapping on shoreline, and a tree shaw. | Yes |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options? SELECT

| |
|---|
| ** please explain the reason for not taking action/resolution of noise issues? |
| Any additional comments? (less than 200 words) |

| Resource Usage/Energy efficiency summary | Lic No: | P0606-03 | Year | 2012 |
|---|---|---|---|---|

| | | | Additional information |
|---|---|---|---|
| 1 | When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below | | |
| 2 | Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information | SEAI - Large Industry Energy Network (LIEN) | Intending to commense implementation of ISO 50001 in 2012 |
| 3 | Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information | yes | HFO <1% |

Table R1 Energy usage on site

| Energy Use | Previous year | Current year | Production +/- % compared to previous reporting year** | Energy Consumption +/- % vs overall site production* |
|---|---|---|---|---|
| Total Energy Used (MWHrs) | 686 | 1421 | + 107 % | |
| Total Energy Generated (MWHrs) | 10,368 | 19,913 | + 92 % | |
| Total Renewable Energy Generated (MWHrs) | | | | |
| Electricity Consumption (MWHrs) | 686 | 1421 | + 107 % | |
| Fossil Fuels Consumption: | | | | |
| Heavy Fuel Oil (m3) | 3426 | 6455 | + 88.4 % | |
| Light Fuel Oil (m3) | 128 | 186 | + 45 % | |
| Natural gas (CMN) | | | | |
| Coal/Solid fuel (metric tonnes) | | | | |
| Peat (metric tonnes) | | | | |
| Renewable Biomass | | | | |
| Renewable energy generated on site | | | | |

* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usage on site

| | | | | | Water Emissions | Water Consumption | |
|---|---|---|---|---|---|---|---|
| Water use | Water extracted Previous year m3/yr. | Water extracted Current year m3/yr. | Production +/- % compared to previous reporting year** | Energy Consumption +/- % vs overall site production* | Volume Discharged back to environment($m^3$yr): | Volume used i.e not discharged to environment e.g. released as steam m3/yr | Unaccounted for Water: |
| Groundwater | | | | | | | |
| Surface water | | | | | | | |
| Public supply | 61,000 | 34000 | -44% | | | | |
| Recycled water | | | | | | | |
| Total | | | | | | | |

* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R3 Waste Stream Summary

| | Total | Landfill | Incineration | Recycled | Other |
|---|---|---|---|---|---|
| Hazardous (Tonnes) | | | | | |
| Non-Hazardous (Tonnes) | | | | | |

**Resource Usage/Energy efficiency summary** Lic No: P0606-03 Year 2012

Table R4: Energy Audit finding recommendations

| Date of audit | Recommendations | Description of Measures proposed | Origin of measures | Predicted energy savings % | Implementation date | Responsibility | Completion date | Status and comments |
|---|---|---|---|---|---|---|---|---|
| | | | SELECT | | | | | |
| | | | SELECT | | | | | |
| | | | SELECT | | | | | |

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry)please complete the following information

| | Unit ID | Unit ID | Unit ID | Unit ID | Station Total |
|---|---|---|---|---|---|
| Technology | | | | | |
| Primary Fuel | | | | | |
| Thermal Efficiency | | | | | |
| Unit Date of Commission | | | | | |
| Total Starts for year | | | | | |
| Total Running Time | | | | | |
| Total Electricity Generated (GWH) | | | | | |
| House Load (GWH) | | | | | |
| KWH per Litre of Process Water | | | | | |
| KWH per Litre of Total Water used on Site | | | | | |

**Complaints and Incidents summary template** Lic No: P0606-03 Year 2012

Complaints

| Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below | | Additional information |
|---|---|---|
| | No | |

Table 1 Complaints summary

| Date | Category | Other type (please specify) | Brief description of complaint (Free txt <20 words) | Corrective action< 20 words | Resolution status | Resolution date | Further information |
|---|---|---|---|---|---|---|---|
| | SELECT | | | | SELECT | | |
| | SELECT | | | | SELECT | | |
| | SELECT | | | | SELECT | | |
| | SELECT | | | | SELECT | | |
| | SELECT | | | | SELECT | | |

| | |
|---|---|
| Total complaints open at start of reporting year | |
| Total new complaints received during reporting year | |
| Total complaints closed during reporting year | |
| Balance of complaints end of reporting year | |

Incidents

| Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below | | Additional information |
|---|---|---|
| | SELECT | |

| *For information on how to report and what constitutes an incident | What is an incident |
|---|---|

Table 2 Incidents summary

| Date of occurrence | Incident nature | Location of occurrence | Incident category*please refer to guidance | Receptor | Cause of incident | Other cause(please specify) | Activity in progress at time of incident | Communication | Occurrence | Corrective action<20 words | Preventative action <20 words | Resolution status | Resolution date | Likilhood of reoccurence |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24/01/2012 | Monitoring equipment offline | Licenced discharge point (typ | 1. Minor | No Uncontrolled release | Other (add details | Monitoring equipemt offline | Normal activities | EPA | New | The system Span and Zero values were checked for all parameters on the 24ht Jan 12. At the time concentration were noted to be varied, but it was thought to be within range and that the data would be retrievable. The CEMS Maintenance agent logged in remotely to determine if this could be fixed on the 24th. This was not possible. The CEMS Maintenance agent onsite the 31/01/2012. | The CEMS Maintenance Contractor has been requested to come to site to further investigate the fault with this Unit. The checking & monitoring of the CEMS is to be included on the agenda for the daily management meeting at the station. | Complete | 31/01/2012 | Medium |
| 03/07/2012 | Spillage | Other location (please specif | 1. Minor | Water | Plant or equipment issues | | Construction | EPA | New | The drain was immediately blocked with spill absorbent material and pads were placed along the road where there was sheen on the surface The outfall pool was checked for any evidence of contamination, but none was obvious. The outfall pool was stagnant at the time as there was No flow from our CW pumps. Samples have been taken at either side of the pool | Contractor advised that no machinery should be parked in this area and that CEMP dictates all mobile equipment would be parked on hardstands. Contractor advised to block drain on outfall pool side of road and clean Out drain on other side which runs to an interceptor | Complete | 03/07/2012 | Medium |
| 29/08/2012 | Monitoring equipment offline | Other location (please specif | 1. Minor | Water | Plant or equipment issues | | Normal activities | EPA | New | Electrician, carried out a number of repaires and investigations and determined that there was also a board failure. New borad has been purchased | Electrician, carried out a number of repaires and investigations and determined that there was also a board failure. New borad has been purchased | Complete | 10/10/2013 | Low |

| Complaints and Incidents summary template | | | | | Lic No: P0606-03 | | | Year 2012 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02/09/2012 | Fire | Other location (please specif | 1. Minor | Ground | Operational controls | | Normal activities | EPA | New | Emergency Services contacted to extinguish blase. Contminated Soil removed & sub surface analysed for contamination | Generator to be replaced with site transformer Security cameras throughout site to be operational | Complete | 10/10/2013 | Low |
| 26/10/2012 | Monitoring equipment offline | Licenced discharge point (typ | 1. Minor | No Uncontrolled release | Plant or equipment issues | | Normal activities | EPA | New | Tried accessing system remotely - unable Contacted CEMS Maintenace Agent – was unable to access either Plugged computer out and re-booted system – all ok | Tried accessing system remotely - unable Contacted CEMS Maintenace Agent – was unable to access either Plugged computer out and re-booted system – all ok | Complete | 26/10/2013 | Medium |
| 30/01/2012 | Breach of ELV | Licenced discharge point (typ | 1. Minor | Water | Plant or equipment issues | | Normal activities | EPA | New | The Sewage treatment system is due to be removed as part of the new CCGT construction. A temporary sewage Treatment will be used whilst construction is occurring and a new system is to be installed for the new plant. Report findings to EA in the AER 2010 explaining new requirement and issues with existing facility | Decommissio ned | Complete | | |
| 23/04/2012 | Breach of ELV | Licenced discharge point (typ | 1. Minor | Water | Plant or equipment issues | | Normal activities | EPA | New | The Sewage treatment system is due to be removed as part of the new CCGT construction. A new system Installed which is to be designed to comply with licence limits | The Sewage treatment system is due to be removed as part of the new CCGT construction. A new system Installed which is to be designed to comply with licence limits | Complete | 23/04/2012 | Low |
| 16/05/2012 | Monitoring equipment offline | Licenced discharge point (typ | 1. Minor | No Uncontrolled release | Plant or equipment issues | | Normal activities | EPA | New | Exceedances of emissions were discussed with Shift personnel and the combustion process was controlled as far as possible to control emissions. The probe has been sent for repair to the agent responsible for this device. | New probe unit installed, EMS have worked with Gilroy's to ensure readings attainable due to software differentials. U1 isokenetic dust testing due, difficult to coordinate due to low running hours and unpredictabili ty of being called on. | Complete | 21/05/2013 | Low |
| Total number of incidents current year | | | | | | | | | | | | | | |
| Total number of incidents previous year | | | | | | | | | | | | | | |
| % reduction/ increase | | | | | | | | | | | | | | |

| WASTE SUMMARY | Lic No: | P0606-03 | Year | 2012 |
|---|---|---|---|---|
| SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES | PRTR facility logon | dropdown list click to see options | | |

## SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

| | | | Additional Information |
|---|---|---|---|
| 1 | Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting) If yes please enter details in table 1 below | SELECT | |
| 2 | Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information | SELECT | |
| 3 | Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information | SELECT | |

### Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

| Licenced annual tonnage limit for your site (total tonnes/annum) | EWC code<br>European Waste Catalogue EWC codes | Source of waste accepted | Description of waste accepted **Please enter an accurate and detailed description - which** European Waste Catalogue EWC codes | Quantity of waste accepted in current reporting year (tonnes) | Quantity of waste accepted in previous reporting year (tonnes) | Reduction/Increase over previous year +/ - % | Reason for reduction/increase from previous reporting year | Packaging Content (%)- only applies if the waste has a packaging component | Disposal/Recovery or treatment operation carried out at your site and the description of this operation | Quantity of waste remaining on site at the end of reporting year (tonnes) | Comments - |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

## SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES

| | | | |
|---|---|---|---|
| 4 | Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite | SELECT | |
| | | SELECT | |
| 5 | Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site | SELECT | |
| 6 | Does your facility have relevant nuisance controls in place? | SELECT | |
| 7 | Do you have an odour management system in place for your facility? If no why? | SELECT | |
| 8 | Do you maintain a sludge register on site? | SELECT | |

## SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

### Table 2 Waste type and tonnage-landfill only

| Waste types permitted for disposal | Authorised/licenced annual intake for disposal (tpa) | Actual intake for disposal in reporting year (tpa) | Remaining licensed capacity at end of reporting year (m3) | Comments |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

### Table 3 General information-Landfill only

| Area ID | Date landfilling commenced | Date landfilling ceased | Currently landfilling | Private or Public Operated | Inert or non-hazardous | Predicted date to cease landfilling | Licence permits asbestos | Is there a separate cell for asbestos? | Accepted asbestos in reporting year | Total disposal area occupied by waste | Lined disposal area occupied by waste | Unlined area | Comments on liner type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | SELECT UNIT | SELECT UNIT | SELECT UNIT | |
| Cell 8 | | | | | | | | | | | | | |

| WASTE SUMMARY | Lic No: | P0606-03 | Year | 2012 |
|---|---|---|---|---|

## Table 4 Environmental monitoring-landfill onl Landfill Manual-Monitoring Standards

| Was meterological monitoring in compliance with Landfill Directive (LD) standard in reporting year + | Was leachate monitored in compliance with LD standard in reporting year | Was Landfill Gas monitored in compliance with LD standard in reporting year | Was SW monitored in compliance with LD standard in reporting year | Have GW trigger levels been established | Were emission limit values agreed with the Agency (ELVs) | Was topography of the site surveyed in reporting year | Has the statement under S53(A)(5) of WMA been submitted in reporting year | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

.+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

## Table 5 Capping-Landfill only

| Area uncapped* | Area with temporary cap | Area with final cap to LD Standard m2 ha, a | Area capped other | Area with waste that should be permanently capped to date under licence | What materials are used in the cap | Comments |
|---|---|---|---|---|---|---|
| SELECT UNIT | SELECT UNIT | | | | | |
| | | | | | | |

*please note this includes daily cover area

## Table 6 Leachate-Landfill only

| | | |
|---|---|---|
| 9 | Is leachate from your site treated in a Waste Water Treatment Plant? | SELECT |
| 10 | Is leachate released to surface water? If yes please complete leachate mass load information below | SELECT |

| Volume of leachate in reporting year(m3) | Leachate (BOD) mass load (kg/annum) | Leachate (COD) mass load (kg/annum) | Leachate (NH4) mass load (kg/annum) | Leachate (Chloride) mass load kg/annum | Leachate treatment on-site | Specify type of leachate treatment | Comments |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

## Table 7 Landfill Gas-Landfill only

| Gas Captured&Treated by LFG System m3 | Power generated (MW / KWh) | Used on-site or to national grid | Was surface emissions monitoring performed during the reporting year? | Comments |
|---|---|---|---|---|
| | | | SELECT | |

Environmental Protection Agency

Guidance to completing the PRTR workbook

# AER Returns Workbook

Version 1.1.15

| REFERENCE YEAR | 2012 |
|---|---|

**1. FACILITY IDENTIFICATION**

| | |
|---|---|
| Parent Company Name | SSE Generation Ireland Limited |
| Facility Name | SSE Generation Ireland Limited |
| PRTR Identification Number | P0606 |
| Licence Number | P0606-03 |

Waste or IPPC Classes of Activity

| No. | class_name |
|---|---|
| 2.1 | The operation of combustion installations with a rated thermal input equal to or greater than 50MW |

| | |
|---|---|
| Address 1 | 3 Grand Canal Plaza |
| Address 2 | 5th Floor |
| Address 3 | Grand Canal Street Upper |
| Address 4 | Dublin 4 |
| | |
| | Dublin |
| Country | Ireland |
| Coordinates of Location | -6.99122 52.2812 |
| River Basin District | IESE |
| NACE Code | 3511 |
| Main Economic Activity | Production of electricity |
| **AER Returns Contact Name** | Grainne Humphreys |
| **AER Returns Contact Email Address** | grainne.humphreys@ssegeneration.ie |
| **AER Returns Contact Position** | Environmental Coordinator |
| **AER Returns Contact Telephone Number** | 353 68 29206 |
| **AER Returns Contact Mobile Phone Number** | 353 86 7379562 |
| **AER Returns Contact Fax Number** | |
| **Production Volume** | 240.0 |
| **Production Volume Units** | MW |
| **Number of Installations** | 1 |
| **Number of Operating Hours in Year** | 0 |
| **Number of Employees** | 36 |
| **User Feedback/Comments** | |
| **Web Address** | |

**2. PRTR CLASS ACTIVITIES**

| Activity Number | Activity Name |
|---|---|
| 1(c) | Thermal power stations and other combustion installations |

**3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)**

| | |
|---|---|
| Is it applicable? | |
| Have you been granted an exemption ? | |
| If applicable which activity class applies (as per Schedule 2 of the regulations) ? | |
| Is the reduction scheme compliance route being used ? | |

**4. WASTE IMPORTED/ACCEPTED ONTO SITE** Guidance on waste imported/accepted onto site

| | |
|---|---|
| Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ? | No |

This question is only applicable if you are an IPPC or Quarry site

Link to previous years emissions data

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

| RELEASES TO AIR | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | METHOD | | | QUANTITY | | | |
| | | | Method Used | | | | | |
| No. Annex II | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| 02 | Carbon monoxide (CO) | C | OTH | VGB/Eurelectric | 4014.94 | 4014.94 | 0.0 | 0.0 |
| 05 | Nitrous oxide (N2O) | C | OTH | VGB/Eurelectric | 80.3 | 80.3 | 0.0 | 0.0 |
| 03 | Carbon dioxide (CO2) | C | ETS | | 21214000.0 | 21214000.0 | 0.0 | 0.0 |
| 06 | Ammonia (NH3) | C | OTH | VGB/Eurelectric | 0.0 | 0.0 | 0.0 | 0.0 |
| 07 | Non-methane volatile organic compounds (NMVOC) | C | OTH | VGB/Eurelectric | 160.6 | 160.6 | 0.0 | 0.0 |
| 17 | Arsenic and compounds (as As) | C | OTH | VGB/Eurelectric | 0.54 | 0.54 | 0.0 | 0.0 |
| 18 | Cadmium and compounds (as Cd) | C | OTH | VGB/Eurelectric | 0.54 | 0.54 | 0.0 | 0.0 |
| 19 | Chromium and compounds (as Cr) | C | OTH | VGB/Eurelectric | 2.14 | 2.14 | 0.0 | 0.0 |
| 20 | Copper and compounds (as Cu) | C | OTH | VGB/Eurelectric | 2.14 | 2.14 | 0.0 | 0.0 |
| 21 | Mercury and compounds (as Hg) | C | OTH | VGB/Eurelectric | 0.08 | 0.08 | 0.0 | 0.0 |
| 22 | Nickel and compounds (as Ni) | C | OTH | VGB/Eurelectric | 53.53 | 53.53 | 0.0 | 0.0 |
| 23 | Lead and compounds (as Pb) | C | OTH | VGB/Eurelectric | 5.35 | 5.35 | 0.0 | 0.0 |
| 24 | Zinc and compounds (as Zn) | C | OTH | VGB/Eurelectric | 10.71 | 10.71 | 0.0 | 0.0 |
| 01 | Methane (CH4) | C | OTH | VGB/Eurelectric | 214.13 | 214.13 | 0.0 | 0.0 |
| 11 | Sulphur oxides (SOx/SO2) | M | ALT | EN1481 | 101311.0 | 101311.0 | 0.0 | 0.0 |
| 47 | PCDD + PCDF (dioxins + furans)(as Teq) | C | OTH | VGB/Eurelectric | 0.00000174 | 0.00000174 | 0.0 | 0.0 |
| 62 | Benzene | C | OTH | VGB/Eurelectric | 0.17 | 0.17 | 0.0 | 0.0 |
| 72 | Polycyclic aromatic hydrocarbons (PAHs) | C | OTH | VGB/Eurelectric | 0.02 | 0.02 | 0.0 | 0.0 |
| 08 | Nitrogen oxides (NOx/NO2) | M | ALT | EN1481 | 44274.0 | 44274.0 | 0.0 | 0.0 |
| **86** | **Particulate matter (PM10)** | M | ALT | EN1481 | 6955.0 | 6955.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

**SECTION B : REMAINING PRTR POLLUTANTS**

| RELEASES TO AIR | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | METHOD | | | QUANTITY | | | |
| | | | Method Used | | | | | |
| No. Annex II | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

**SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)**

| RELEASES TO AIR | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | METHOD | | | QUANTITY | | | |
| | | | Method Used | | | | | |
| Pollutant No. | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

## Additional Data Requested from Landfill operators

**For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:**

**Landfill:** SSE Generation Ireland Limited

| **Please enter summary data on the quantities of methane flared and / or utilised** | | | Method Used | | | |
|---|---|---|---|---|---|---|
| | **T (Total) kg/Year** | **M/C/E** | **Method Code** | **Designation or Description** | **Facility Total Capacity m3 per hour** | |
| Total estimated methane generation (as per site model) | 0.0 | | | | N/A | |
| Methane flared | 0.0 | | | | 0.0 | (Total Flaring Capacity) |
| Methane utilised in engine/s | 0.0 | | | | 0.0 | (Total Utilising Capacity) |
| Net methane emission (as reported in Section A above) | 0.0 | | | | N/A | |

## 4.2 RELEASES TO WATERS

Link to previous years emissions data

### SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

| RELEASES TO WATERS | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | | | | QUANTITY | | | |
| | | | Method Used | | | | | |
| No. Annex II | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

### SECTION B : REMAINING PRTR POLLUTANTS

| RELEASES TO WATERS | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | | | | QUANTITY | | | |
| | | | Method Used | | | | | |
| No. Annex II | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

### SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

| RELEASES TO WATERS | | | | | Please enter all quantities in this section in KGs | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | | | | | | | | | | QUANTITY | |
| | | | Method Used | | SW3 | SW5 | SW6 | SW13 | | | | |
| Pollutant No. | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | Emission Point 2 | Emission Point 3 | Emission Point 4 | Emission Point 5 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| 303 | BOD | C | OTH | Mass Balance Calc | 0.01387 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01387 | 0.0 | 0.0 |
| 240 | Suspended Solids | C | OTH | Mass Balance Calc | 0.48892 | 0.429 | 0.02336 | 0.25124 | 0.0 | 1.19252 | 0.0 | 0.0 |
| 238 | Ammonia (as N) | C | OTH | Mass Balance Calc | 0.029127 | 0.0 | 0.0 | 0.002645 | 0.0 | 0.031772 | 0.0 | 0.0 |
| 324 | Mineral oils | C | OTH | Mass Balance Calc | 0.0 | 0.0 | 0.00008 | 0.0 | 0.0 | 0.00008 | 0.0 | 0.0 |
| **306** | **COD** | C | OTH | Mass Balance Calc | 0.07281 | 0.0 | 0.0 | 0.0 | 0.0 | 0.07281 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

## 4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data



### SECTION A : PRTR POLLUTANTS

| OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | METHOD | | | QUANTITY | | | |
| | | | Method Used | | | | | |
| No. Annex II | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

### SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

| OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | METHOD | | | QUANTITY | | | |
| | | | Method Used | | | | | |
| Pollutant No. | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

## 4.4 RELEASES TO LAND

Link to previous years emissions data



### SECTION A : PRTR POLLUTANTS

| RELEASES TO LAND | | | | | Please enter all quantities in this section in KGs | | |
|---|---|---|---|---|---|---|---|
| POLLUTANT | | METHOD | | | QUANTITY | | |
| | | | Method Used | | | | |
| No. Annex II | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

### SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

| RELEASES TO LAND | | | | | Please enter all quantities in this section in KGs | | |
|---|---|---|---|---|---|---|---|
| POLLUTANT | | METHOD | | | QUANTITY | | |
| | | | Method Used | | | | |
| Pollutant No. | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

| Transfer Destination | European Waste Code | Hazardous | Quantity (Tonnes per Year) | Description of Waste | Waste Treatment Operation | Method Used | | Location of Treatment | Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer | Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer | Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY) | Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M/C/E | Method Used | | | | | |
| Within the Country | 10 01 04 | Yes | 0.77 | oil fly ash and boiler dust | R1 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,,,Portlaois,Laois,Ireland | Enva Ireland Ltd. ,WP2008/06,Smithstown Industrial Estate,.,Shannon,Clare,Ireland | Smithstown Industrial Estate,.,Shannon,Clare,Ireland |
| Within the Country | 11 01 06 | Yes | 0.0 | acids not otherwise specified | D15 | M | Weighed | Offsite in Ireland | AES,WO229-01 | Kilrane Business Park,,.,,Wexford,Ireland | AES,WO229-01,Kilrane Business Park,.,.,Wexford,Ireland | Kilrane Business Park,.,.,Wexford,Ireland |
| Within the Country | 12 01 03 | No | 0.0 | non-ferrous metal filings and turnings | R4 | M | Weighed | Offsite in Ireland | AES,WO229-01 | Kilrane Business Park,,.,,Wexford,Ireland | | |
| Within the Country | 13 02 08 | Yes | 8.82 | other engine, gear and lubricating oils | R9 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,,,Portlaois,Laois,Ireland | ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,,Portlaois,Laois,Ireland | Clonminam Ind. Est.,,Portlaois,Laois,Ireland |
| Within the Country | 13 07 03 | Yes | 0.0 | other fuels (including mixtures) | R9 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,,,Portlaois,Laois,Ireland | ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,,Portlaois,Laois,Ireland | Clonminam Ind. Est.,,Portlaois,Laois,Ireland |
| Within the Country | 13 08 02 | Yes | 0.0 | other emulsions | R9 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,,,Portlaois,Laois,Ireland | ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,,Portlaois,Laois,Ireland | Clonminam Ind. Est.,,Portlaois,Laois,Ireland |
| Within the Country | 14 06 01 | Yes | 0.0 | chlorofluorocarbons, HCFC, HFC | R13 | M | Weighed | Offsite in Ireland | Veoila,WO0050-02 | Fermoy,.,Cork,.,Ireland | Veoila,WO0050-02,Fermoy,.,.,Cork,Ireland | Fermoy,.,.,Cork,Ireland |
| Within the Country | 15 01 06 | No | 0.875 | mixed packaging | R5 | M | Weighed | Offsite in Ireland | AES,WO229-01 | Kilrane Business Park,,.,,Wexford,Ireland | | |
| Within the Country | 15 01 10 | Yes | 0.26 | packaging containing residues of or contaminated by dangerous substances | R4 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,,,Portlaois,Laois,Ireland | MSM Metal Recycling,WMP02/2008,.,.,., Waterford,Ireland | .,.,.,Waterford,Ireland |
| To Other Countries | 15 02 02 | Yes | 0.97 | absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances | R1 | M | Weighed | Abroad | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,,,Portlaois,Laois,Ireland | Lindenschmidt,E97095037,Lindenschmidt ,.,.,.,Germany | .,.,.,.,Germany |
| Within the Country | 16 02 13 | Yes | 0.0 | discarded equipment containing hazardous components (16) other than those mentioned in 16 02 09 to 16 02 12 | R5 | M | Weighed | Offsite in Ireland | AES,104-1 | Cappincur,.,Tullamore,Offaly,Ireland | WEEE Recycle,WO113-03,Cappincur Ind. Est.,.,Tullamore,Offaly,Ireland | Cappincur Ind. Est.,.,Tullamore,Offaly,Ireland |
| Within the Country | 16 02 14 | No | 0.0 | discarded equipment other than those mentioned in 16 02 09 to 16 02 13 | R4 | M | Weighed | Offsite in Ireland | AES,WO229-01 | Kilrane Business Park,,.,,Wexford,Ireland | | |
| Within the Country | 16 02 16 | No | 0.0 | components removed from discarded equipment other than those mentioned in 16 02 15 | R4 | M | Weighed | Offsite in Ireland | AES,104-1 | Cappincur,.,Tullamore,Offaly,Ireland | | |
| Within the Country | 16 05 04 | Yes | 0.0 | gases in pressure containers (including halons) containing dangerous substances | R13 | M | Weighed | Offsite in Ireland | Veoila,WO0050-02 | Fermoy,.,Cork,.,Ireland | Veoila,WO0050-02,Fermoy,.,.,Cork,Ireland | Fermoy,.,.,Cork,Ireland |
| **Within the Country** | **16 05 06** | **Yes** | 0.0 | laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals | R1 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,,,Portlaois,Laois,Ireland | Enva Ireland Ltd. ,WP2008/06,Smithstown Industrial Estate,.,Shannon,Clare,Ireland | Smithstown Industrial Estate,.,Shannon,Clare,Ireland |
| Within the Country | 16 05 07 | Yes | 0.0 | discarded inorganic chemicals consisting of or containing dangerous substances | R1 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,,,Portlaois,Laois,Ireland | Enva Ireland Ltd. ,WP2008/06,Smithstown Industrial Estate,.,Shannon,Clare,Ireland | Smithstown Industrial Estate,.,Shannon,Clare,Ireland |
| Within the Country | 16 06 05 | No | 0.17 | other batteries and accumulators | R4 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,,,Portlaois,Laois,Ireland | | |
| Within the Country | 16 07 08 | Yes | 0.0 | wastes containing oil | R9 | M | Weighed | Offsite in Ireland | Rilta Environmental Ltd.,W0185-01 | Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland | Rilta Environmental Ltd,WO185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland | Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Within the Country | 17 02 01 | No | 1.16 | wood | R5 | M | Weighed | Offsite in Ireland | AES,WO229-01 | Kilrane Business Park,.,.,Wexford,Ireland | | | |
| Within the Country | 17 02 03 | No | 0.0 | plastic | R3 | E | Volume Calculation | Offsite in Ireland | Oxigen,W0208-01 | Ballymount Industrial Estate,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland | | | |
| Within the Country | 17 04 05 | No | 0.0 | iron and steel | R4 | E | Volume Calculation | Offsite in Ireland | A1 Metals,WMP007 | Acragar ,Mountmellick , ,Laois,Ireland | | | |
| Within the Country | 17 04 07 | No | 11.28 | mixed metals | R4 | M | Weighed | Offsite in Ireland | Hegarty Metal,WP05-04 | Ballysimon,.,.,Limerick,Ireland | | | |
| Within the Country | 17 04 11 | No | 0.0 | cables other than those mentioned in 17 04 10 | R4 | M | Weighed | Offsite in Ireland | AES,WO229-01 | Kilrane Business Park,.,.,Wexford,Ireland | | | |
| Within the Country | 17 05 03 | Yes | 1.114 | soil and stones containing dangerous substances | R13 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,.,Portlaois,Laois,Ireland | ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,.,Portlaois,Laois,Ireland | Clonminam Ind. Est.,.,Portlaois,Laois,Ireland | |
| Within the Country | 17 06 05 | Yes | 0.02 | construction materials containing asbestos (18) | D15 | M | Weighed | Offsite in Ireland | Euro Dismantling Services,4940903743 | Loxley Manor ,Loxley ,Sheffield,S66RW ,United kingdom | Oxigen Environmental ,W0208-01,Ballymount Industrial Estate ,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland | Ballymount Industrial Estate ,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland | |
| Within the Country | 20 01 01 | No | 0.0 | paper and cardboard | R5 | M | Weighed | Offsite in Ireland | AES,WO229-01 | Kilrane Business Park,.,.,Wexford,Ireland | | | |
| Within the Country | 20 01 21 | Yes | 0.06 | fluorescent tubes and other mercury-containing waste | R4 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,.,Portlaois,Laois,Ireland | Irish Lamp Recycling,WFP-KE-08-0348-01,Athy,.,.,Kildare,Ireland | .,.,.,.,Ireland | |
| Within the Country | 20 01 28 | No | 0.02 | paint, inks, adhesives and resins other than those mentioned in 20 01 27 | R3 | M | Weighed | Offsite in Ireland | Jack & Jill Foundation,. | Johnstown Manor,Johnstown ,Naas,Kildare,Ireland | | | |
| Within the Country | 20 01 36 | No | 1.31 | discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35 | R5 | M | Weighed | Offsite in Ireland | AES,WO229-01 | Kilrane Business Park,.,.,Wexford,Ireland | | | |
| Within the Country | 20 03 01 | No | 9.15 | mixed municipal waste | D1 | M | Weighed | Offsite in Ireland | AES,WO229-01 | Kilrane Business Park,.,.,Wexford,Ireland | | | |
| Within the Country | 20 01 02 | No | 0.13 | glass | R5 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,.,Portlaois,Laois,Ireland | | | |
| Within the Country | 13 01 01 | Yes | 0.17 | hydraulic oils, containing PCBs (15) | R9 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,WO184-1 | Clonminam Ind. Est.,.,Portlaois,Laois,Ireland | ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,.,Portlaois,Laois,Ireland | Clonminam Ind. Est.,.,Portlaois,Laois,Ireland | |

* Select a row by double-clicking the Description of Waste then click the delete button

Link to previous years waste data
Link to previous years waste summary data & percentage change